

Energy Smart Federal Partnership:

Partnering to Provide Technical Assistance, Financial Incentives, and More

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Bonneville Power Administration

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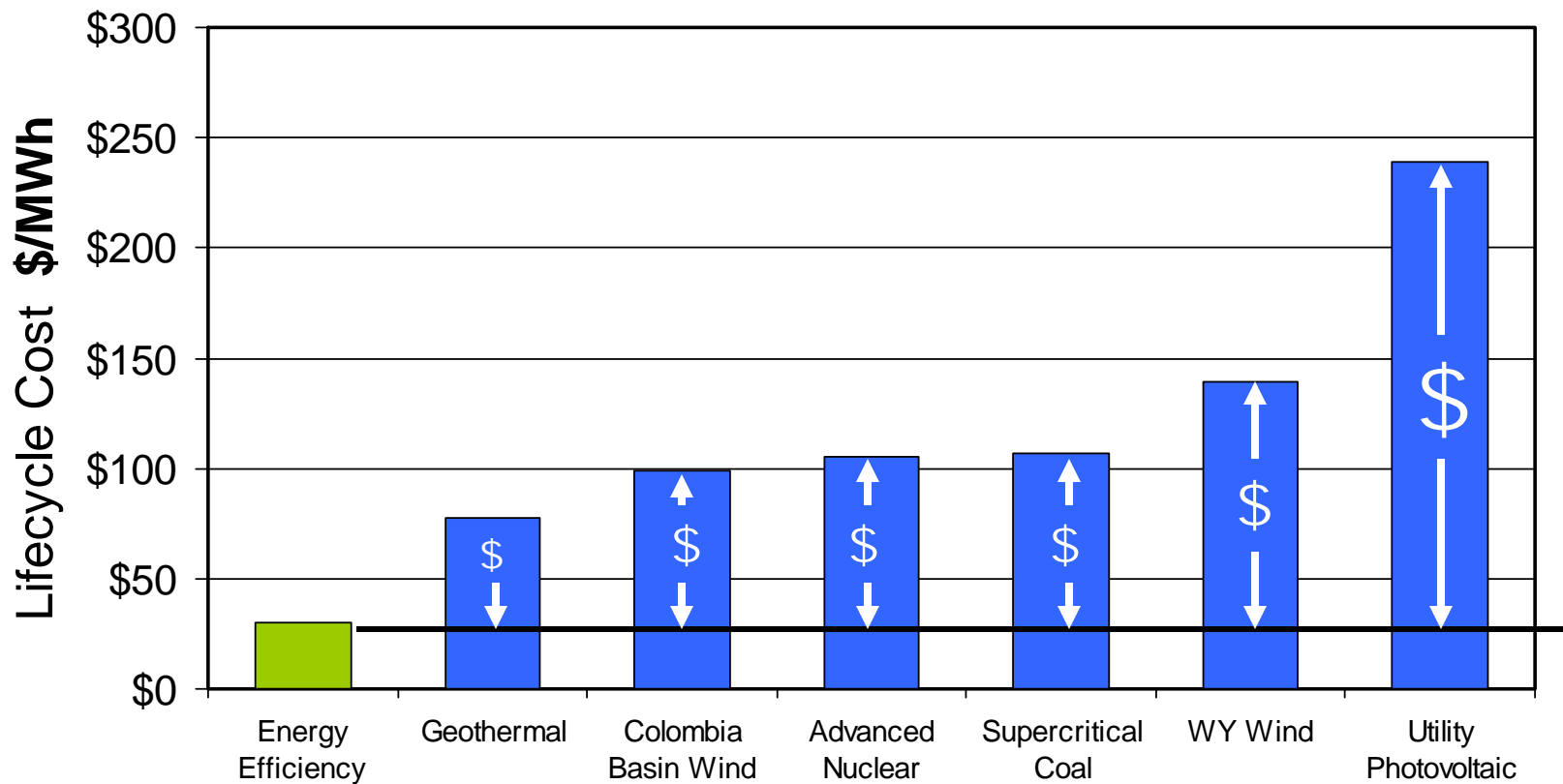


Presentation Outline

- **Why Bonneville Power is Involved**
- **Where we Target our Services**
- **How Bonneville Power can Help**
 - **Technical Assistance**
 - **Financial Incentives**
 - **Awards, Success Stories**
- **There's More: Other Partners, Services**
- **What you can do to Participate**

Why BPA is Involved

Energy Efficiency is our "Least Cost" Resource



Federal Sector Recent Results

Federal Agencies Assisted

- **21 separate federal agencies (Corps of Engineers, Bureau of Reclamation, Navy, Forest Service, etc)**

Federal Projects Completed

- **Roughly 300 different projects (Lighting, HVAC, Controls, Specific Processes, Building Shell, etc)**

Energy (and Cost) Savings Achieved

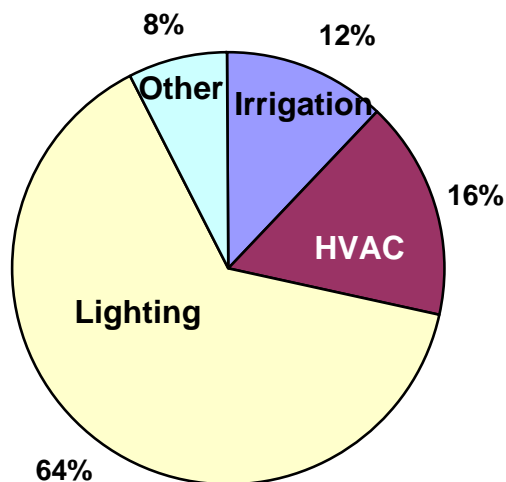
- **73.2 million kWh/yr (equal to 5,000 homes)**
- **\$3.66 million/yr operating budget savings**

Note: Data from the period of FY08 – FY10

Federal Efficiency Projects

Share of Electric Energy Savings

**Efficiency Project Type
(FY '08 through FY '10)**



Who BPA is Targeting

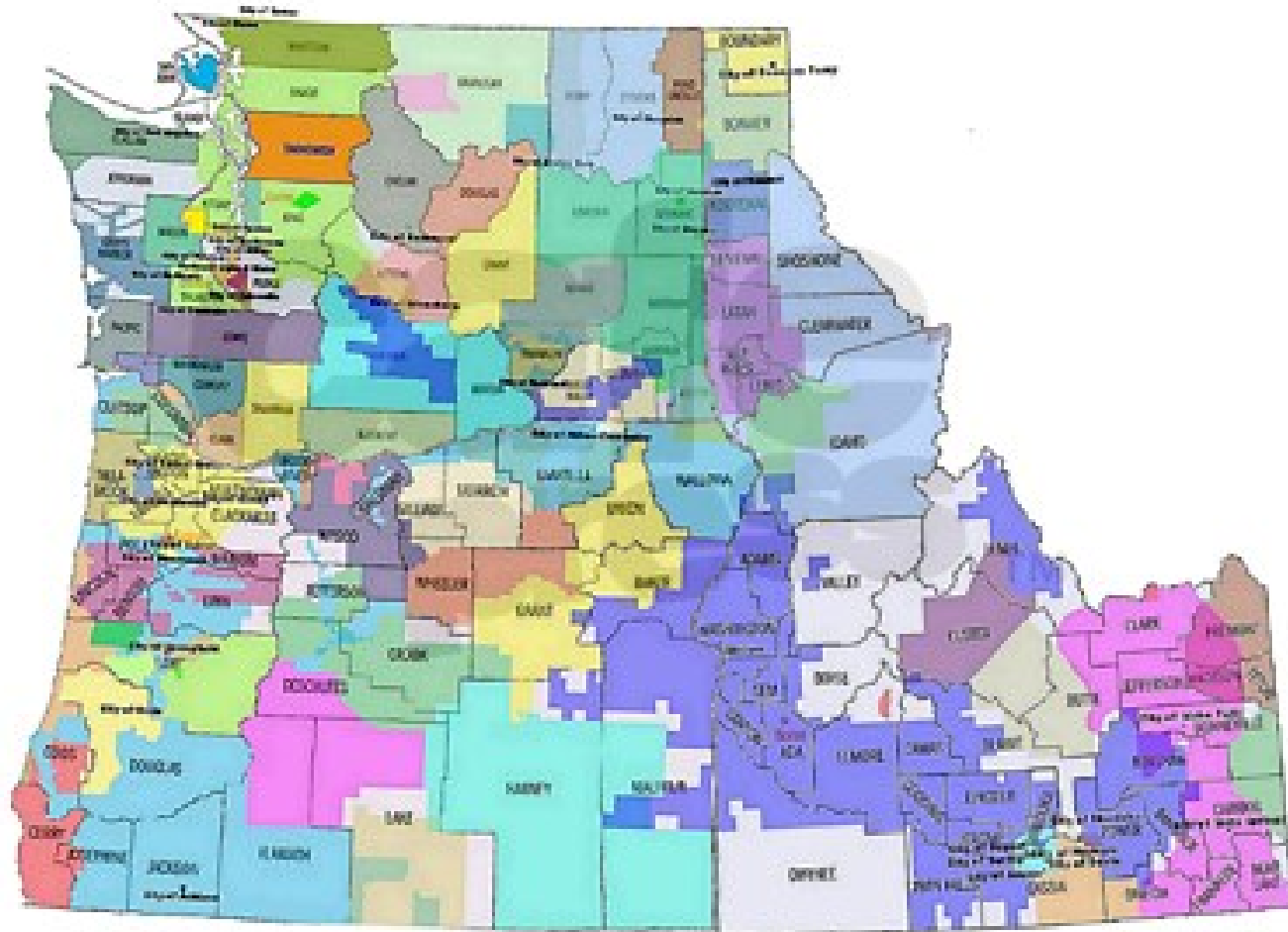
- **Northwest federal facilities that purchase their electricity from a public utility**
- **Federal facilities that BPA provides power to directly**
- **Federal hydroelectric facilities operating on station service**
- **Federal substations and fish hatcheries using station service**
- **Federally chartered irrigation districts taking reserve power**

BPA's Area of Focus



Numerous Retail Utilities

Electric Service Territories of the Northwest



Investor-Owned Utilities

Services are also available through:

- Puget Sound Energy (NW WA)
- Pacific Power (OR, WA)
- Rocky Mountain Power (SE ID)
- Portland General Electric (NW OR)
- Idaho Power (S ID, E OR)
- NorthWestern Energy (W MT)
- Avista (E WA, N ID and gas only in OR)

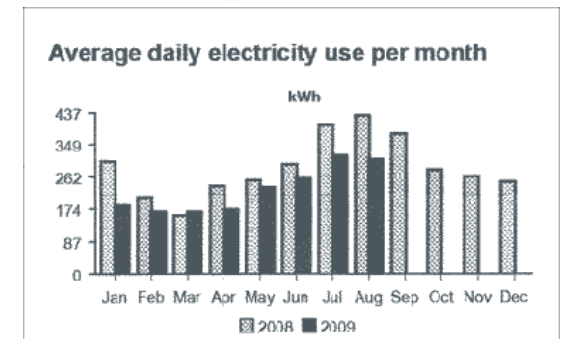
Changes Coming in FY '12

- **Where electricity is supplied by a public utility they will have the final say on incentives (like investor-owned utilities)**
- **Direct-served sites will have incentive funds allocated for their projects**
- **Sites with no serving utility will be able to compete for incentive funds too**



How BPA can Help

- **Agency Agreements**
- **Energy Analyses**
- **Access Private Financing**
- **Facilitate Projects**
- **Verify Performance**
- **Bank Earned Incentives**
- **Assist with Awards**
- **Success Stories**



Agency Agreements

- **Establish the roles of a relationship with BPA. This can include:**
 - **Agency energy-saving goals**
 - **Agency funds available**
 - **Agency contact(s)**
 - **BPA roles and responsibilities**
 - **BPA cost share**
 - **BPA contact(s)**



Energy Analyses

- **Preliminary Energy Assessment**
 - Planning-level detail
 - Provided at no cost
 - Other utilities can provide too
- **Investment Grade Energy Audit**
 - More detailed analysis
 - Requires an agreement
 - May require a cost-share
 - ESCOs can provide also



Access Private Financing

- **BPA can Facilitate Project Financing:**
 - **Use our Utility Energy Service Contract (UESC) authority**
 - **We package and coordinate financing**
 - **Get long term, fixed rate loans**
 - **Payments designed to be net positive (or at least cost neutral)**
 - **Can be combined with incentives earned (not augmentation)**



Facilitate Projects

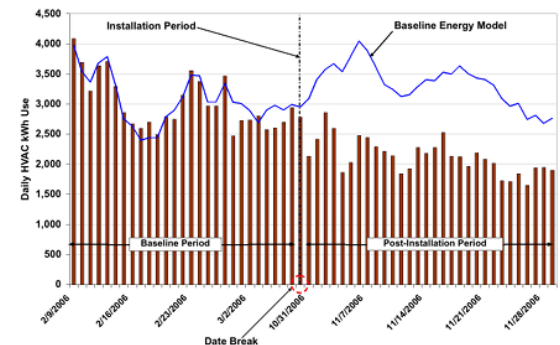
■ Project Coordination:

- Hold funds raised from financing
- Develop project specifications
- Coordinate project implementation
 - Contracting
 - Project Oversight
 - Measurement & Verification
- Make necessary payments
- Provide 3rd party assessment



Verify Performance

- **Measurement and Verification (M&V):**
 - **Document your projects results**
 - Necessary to obtain incentives
 - Useful for tracking and reporting
 - **An option for other efficiency projects**
 - Where there's no incentives
 - For behavior based projects
 - New construction too



Bank Earned Incentives

- **BPA can hold your incentive payments:**
 - Request a 3rd party payment from your utility (have your incentives paid to BPA)
 - We'll hold your funds in an agency-specific “escrow account”
 - Funds can be accessed to:
 - Identify future projects
 - Implement future projects (electric-savings only)



Assist with Award Applications

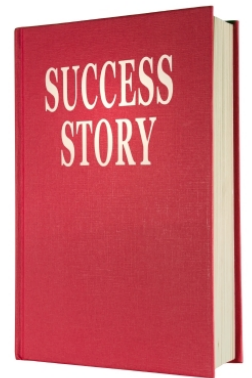
- **Past BPA projects have won awards.**
- **We can help you be a winner too:**
 - **Identify/complete a good project**
 - **Find awards available (national and local)**
 - **Assist with your award application**
 - **Text and context**
 - **Verified results**
 - **BPA “Seal of Approval”**



Create Success Stories

- **Federal efficiency success stories:**
 - **FEMP case studies of award winners**
 - UESC projects
 - ESPC projects
 - **No regional “library” of federal stories (yet)**
 - Great way to share lessons learned
 - Help move hesitant managers to act
 - A goal for BPA-NEEA through...

ConduitNW.org (coming this spring)



Energy Smart Federal Partnership

Partnering is Smart:

- **Federal Agency**
- **Bonneville Power**
- **Financier**
- **Vendor**
- **Contractor**
- **Local Utility**



Current Program Partners

Energy Smart Federal Partnership

- **Federal Energy Management Program**
- **Federal DOE Labs (PNL, NREL, etc)**
- **Electric Utilities (Public Power)**
- **Technical Service Providers**
- **Lighting Design Lab**
- **Northwest Trade Ally Network**



New Program Partners

Energy Smart Federal Partnership

- **Corps of Engineers (Work for Others)**
- **GSA (Assisted Acquisition Services)**
- **PNNL (Renewable Energy Screens)**
- **UNICOR (Prison-built Solar PV Panels)**



Possible Next Steps

Federal Agencies can:

- **Request facility utility billing summaries**
- **Adopt a policy promoting energy efficiency**
- **Establish an Energy (or Resource) Manager**
- **Select key facilities for energy assessments**
- **Sign an agreement (IA or UESC) with BPA**
- **Create a package of projects for financing**

And, last but not least...

- **Follow-up with the connections made here**

Other Resources Available

- **Utilities (both gas and electricity)**
- **Energy Trust of Oregon (ETO)**
- **BetterBricks (a NEEA resource)**
- **Integrated Design Labs**
- **State Tax Credits (ex. BETC in Oregon)**
- **Federal Tax Deductions (Commercial Building Tax Deduction)**
- **Grants (ex. WATER Smart)**

Questions & Answers

Energy Smart Federal Partnership

For Questions Now:

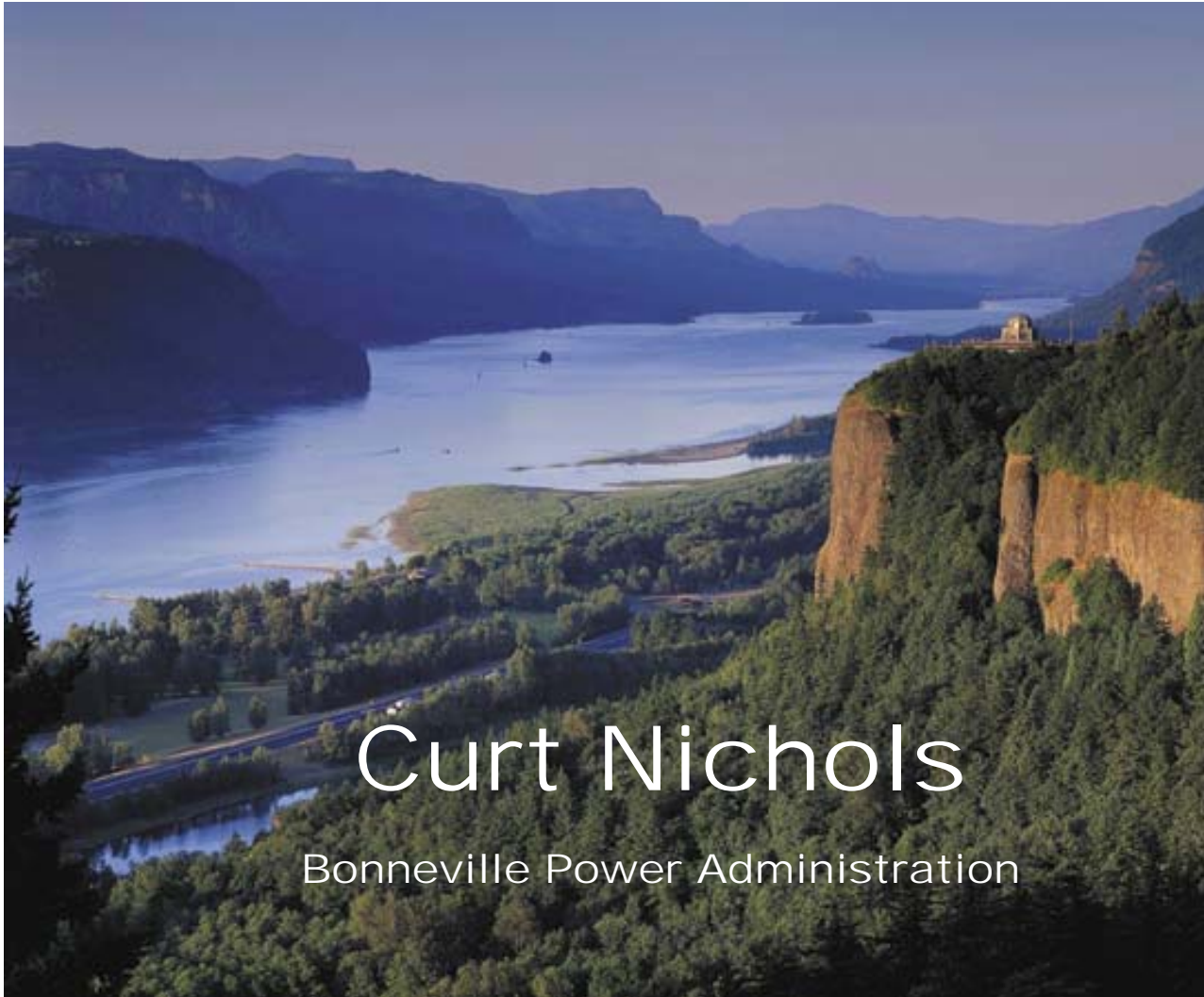
Ask away (as much as time will allow)

To Follow-up Later:

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E-mail: cwnichols@bpa.gov

Thank You!



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Bonneville Power Administration